

SHEET INDEX

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GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS M.S.A. STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST ALL EXISTING UTILITIES AT LEAST (3) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

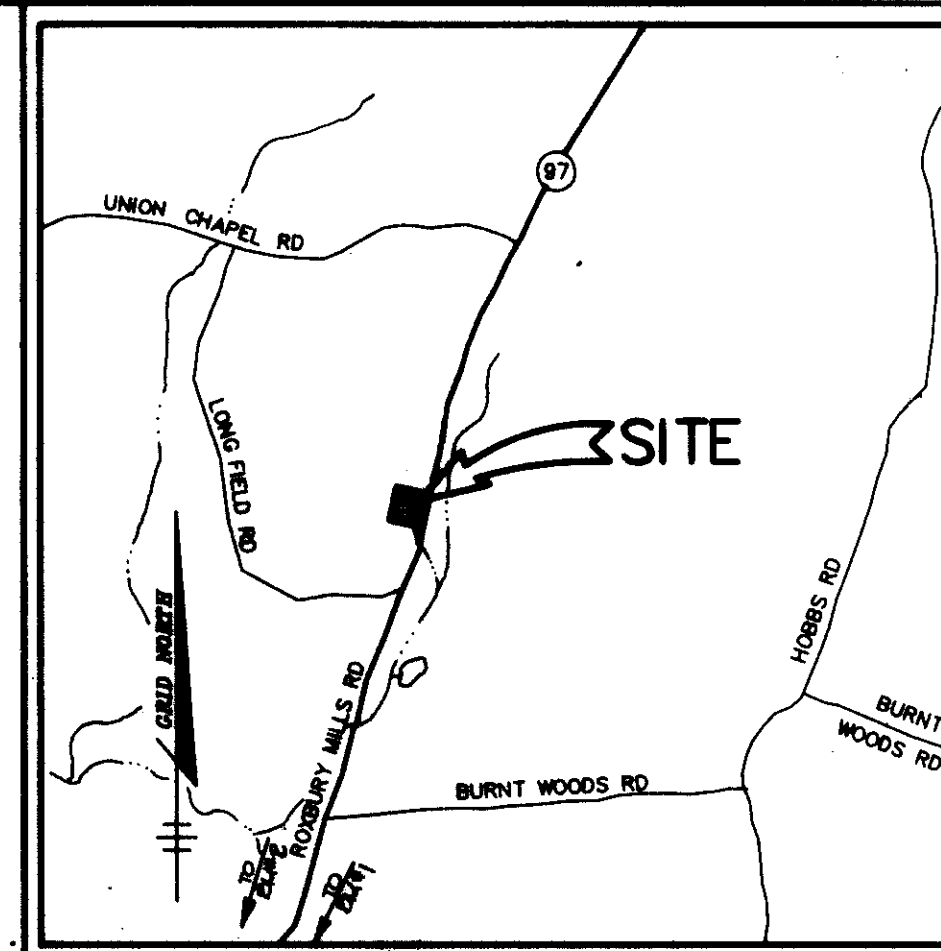
WISSE UTILITY	1-800-227-7777
COMP TELEPHONE COMPANY	725-8878
HOWARD COUNTY BUREAU OF UTILITIES	313-4880
AT&T CABLE LOCATION DIVISION	343-3553
BALTIMORE GAS & ELECTRIC COMPANY	888-0123
STATE HIGHWAY ADMINISTRATION	331-8533
- TRAFFIC CONTROL DEVICES, WARNINGS AND SIGNS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY APPROVAL.
- ALL MAINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXISTING MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAD UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SURFACE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED OCT. 1994 BY REIDER MUEDE AND ASSOCIATES, INC. CONTOURS SHOWN AT 2 FOOT INTERVAL.
- ALL PLAIN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEINGS SHALL BE AS SHOWN IN DETAIL, COLOR (FRENCH IN ROCK OR TRUSS) IN EARTH AS DETERMINED BY FIELD CONDITIONS. IN ALL IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEGMENT AND DRAINAGE CONTROL, PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SURFACE. ANY PAVEMENT SECTION DETERMINED BY THE GEOTECHNICAL ENGINEER THAT IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD, SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL FOR THIS DEVELOPMENT IS PROVIDED BY A RETENTION FACILITY, AND WILL BE MAINTAINED BY OWNER.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND U.S. MEAN SEA LEVEL DATUM 1929.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CONNECTED AT THE DEVELOPER'S EXPENSE.
- UNLESS NOTED ON THE PLAN, ALL STORM DRAIN PIPE IS TO BE BASED AS AN ADVANCED ORANGE PEXBELL, INC. 18-12 POLYETHYLENE PIPE. AN ALTERNATIVE SD WILL BE FOR CLASS IV REINFORCED CONCRETE PIPE.
- WATER METER IS TO BE LOCATED INSIDE THE BUILDING.
- BA 88-36, SPECIAL EXCEPTION TO CONVERT A HISTORIC BUILDING TO A BUSINESS OFFICE WAS APPROVED ON SEPTEMBER 21, 1993.
- UP-88-36, A REQUEST TO REUSE SECTION 14.1(b)(1) OF HOWARD COUNTY SUBDIVISION REGULATION WAS APPROVED ON OCTOBER 12, 1993 HAVING REQUIREMENT OF SITE DEVELOPMENT PLAN PRIOR TO BUILDING PERMIT OR GRADING PERMIT.
- 25 PERM GRANTED BY THE ZONING BOARD IN DECISION AND ORDER DATED SEPTEMBER 13, 1994.
- THE COORDINATED SHOWN HEREON ARE BASED ON 840 ST. MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY MAPMAKING NO. DIA AND COAC.
- NO ON SITE USE OF PESTICIDES IS PERMITTED.
- WATER AND GROUND DRAINAGE IS PERMITTED.
- NO WETLANDS EXIST ON PARCEL A-2. EXISTING WETLANDS IN VICINITY OF FORD DO DIRT AND A TRIBUTY TO CHESAPEAKE BAY WETLANDS HAD BEEN GRANTED BY THE MARYLAND DEPARTMENT OF NATURAL RESOURCES ON MAY 18, 1993, WITH AUTHORIZATION NO. 25-MT-0070/00060001.
- TRAFFIC STUDY PREPARED BY THE TRAFFIC GROUP, INC. DATED DECEMBER 8, 1994.

SITE DEVELOPMENT PLAN

TRUSTED INFORMATION SYSTEMS

4th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



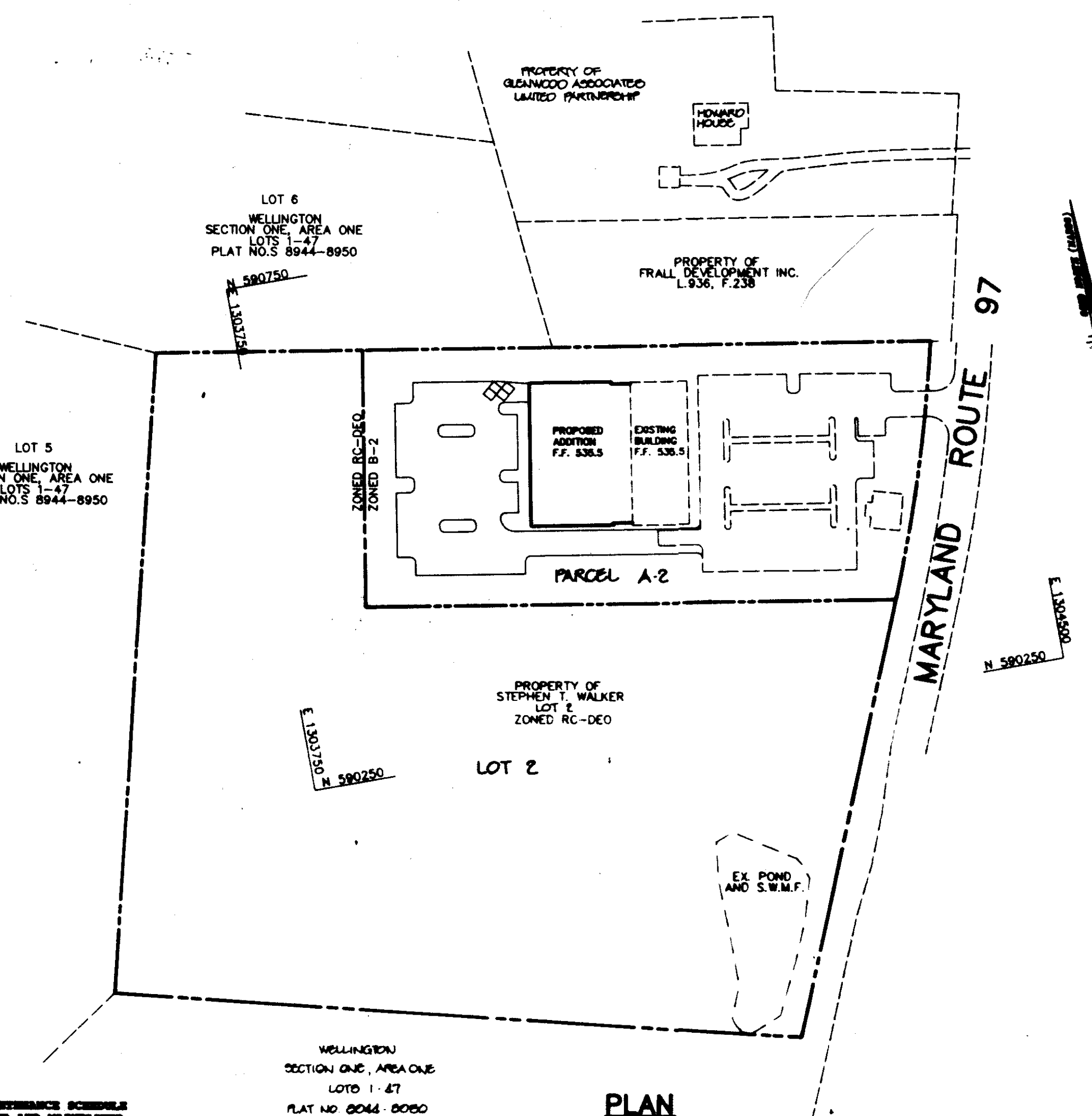
VICINITY MAP

SCALE: 1"=2000'

BENCH MARKS

BM #1
 MD CO MON. # 016A N 80°21'0" E 1000.00' 0.00'
 STAMPEO CONC. MON. EAST EDGE OF RT. 97 1100' NORTH OF
 ROXBURY ROAD

BM #2
 MD CO MON. # 002E N 80°21'0" E 1000.00' 0.00'
 STAMPEO CONC. MON. 16' 6" WEST OF WEST EDGE OF RT. 97
 0.5 MILES SOUTH OF ROXBURY RD.



OPERATION AND MAINTENANCE SCHEDULE
 OF PRIVATELY OWNED AND MAINTAINED
 STORMWATER MANAGEMENT FACILITY
 NEW POND

PLAN
 SCALE: 1"=100'

SITE TABLE

EXISTING ZONING:	B-2				
FILE NUMBER:	BA-93-318 F-95-00				
	WP-94-24				
	IS 957H				
AREA OF PARCEL:		197,028 SF		8.10 AC.	
PROPOSED USE:	OFFICE BUILDING				
BUILDING	HOUSE OF OPERATION	MAX. NO. EMPLOYEES	BUILDING SF	PARKING NO. OF	PARKING PROVIDED
EX. DAY CARE CENTER	6:30 AM-6:30 PM	4	5,000 ±	6	6
EX. OFFICE	8:00 AM-6:00 PM	150	15,680	52	66
PROP. OFFICE	8:00 AM-6:00 PM		18,792	62	60
			5,440 ATRIUM	0*	0
HOWARD HOUSE	N/A	N/A	4,200	12	12
			TOTAL	102	141
EXISTING IMPERVIOUS AREAS			45,750 SF		
PROPOSED IMPERVIOUS AREAS:					
ADDITIONAL BUILDING COVERAGE			13,900 SF		
ADDITIONAL PAVING COVERAGE			12,280 SF		
TOTAL IMPERVIOUS COVERAGE			72,330 SF		
			53% OF B-2 AREA		

*AS PER LETTER FROM MR. WILLIAM O'BRIEN DATED SEPTEMBER 13, 1994.
 NOTE: ATKIN IS NOT INCLUDED FOR PARKING CALCULATIONS.

AS BUILT CERTIFICATE

DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

John M. Bond 6-12-95
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James T. Walker 7/3/95
 DIRECTOR DATE

Jim Jannone 7/3/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

James T. Walker 6/19/95
 DIRECTOR DATE

Paul J. Jannone 6/16/95
 CHIEF, BUREAU OF ENGINEERING DATE

DATE NO. REVISION

OWNER / DEVELOPER

STEPHEN T. WALKER
 c/o TRUSTED INFORMATION SYSTEMS
 3060 WASHINGTON ROAD, ROUTE 97
 GLENWOOD, MARYLAND 21738

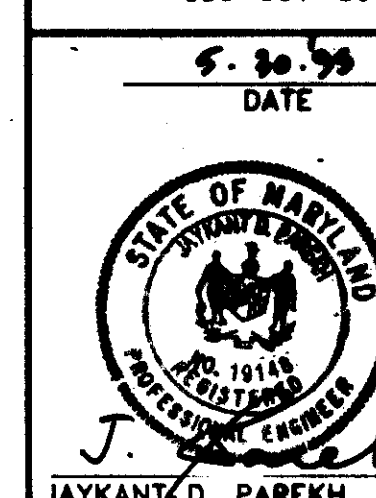
PROJECT
TRUSTED INFORMATION SYSTEMS
 AN OFFICE BUILDING ADDITION

AREA TAX MAP 14 ZONED B-2 PARCEL A-2
 4th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
TITLE SHEET

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
 410-997-8900 FAX: 410-997-9282

DATE 6-30-95
 DESIGNED BY: C.J.R.
 DRAWN BY: DAM
 PROJECT NO: 92209
 DATE: MAY 20, 1995
 SCALE: AS SHOWN
 DRAWING NO. 1 OF 11



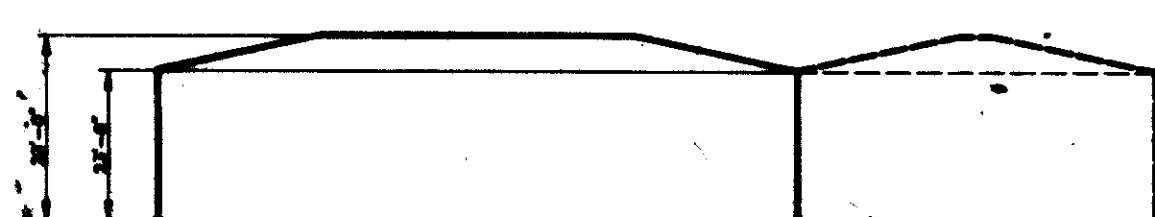
ADDRESS CHART

LOT NUMBER	STREET ADDRESS
A-2	3060 WASHINGTON ROAD

LOT	BLOCK	SECTION	TAX MAP NO.	ELECT. DIST.	OWNER NAME
11705	22	A-2	14	4th	GODD
WATER CODE					

TYPICAL BUILDING ELEVATION

NO SCALE



ROUTINE MAINTENANCE

- Facility shall be inspected annually and after major storms. Inspections should be performed during wet weather to determine if the pond is functioning properly.
- Top and side slopes of the embankment shall be mowed a minimum of two (2) times a year, once in June and once in September. Other side slopes and maintenance access should be mowed as needed.
- Debris and litter shall be removed during regular mowing operations and as needed.
- Visible signs of erosion in the pond as well as riprap outlet area shall be repaired as soon as it is noticed.

REPAIR MAINTENANCE

- Structural components of the pond such as the dam, the riser, and the pipes shall be repaired upon the detection of any damage. The components should be inspected during routine maintenance operations.
- Sediment should be removed FROM THE POND no later than when the capacity of the pond is half full of sediment, when deemed necessary for aesthetic reasons, or when deemed necessary by the Howard County's Department of Public Works.

OPERATION, MAINTENANCE AND INSPECTION FOR G.W.M.F.

Inspection of the pond(s) shown hereon shall be performed at least annually, in accordance with the checklist and requirements contained within USDA, SCS "Standards And Specifications For Ponds" (46D-578). The pond owner(s) and any lease, easement, or assignee shall be responsible for the safety of the pond and the continued operation, maintenance, inspection, and maintenance thereof. The pond owner(s) shall promptly notify the Soil Conservation District of any unusual observations that may be indications of distress such as excessive seepage, turbid seepage, sliding or slumping.

EXPECTED MAXIMUM DAILY FLOWS

OFFICE BUILDING (KITCHEN) 150 EMPLOYEES MAX. X 15 GPD = 2250 GPD
 150 EMPLOYEES MAX. X 5 GPD = 750 GPD

DAY CARE BUILDING 4 EMPLOYEES MAX. X 15 GPD = 60 GPD
 80 CHILDREN MAX. X 10 GPD = 800 GPD
 800 GPD USE 600 GPD

TOTAL FOR PROPOSED PERC AREA = 3660 GPD

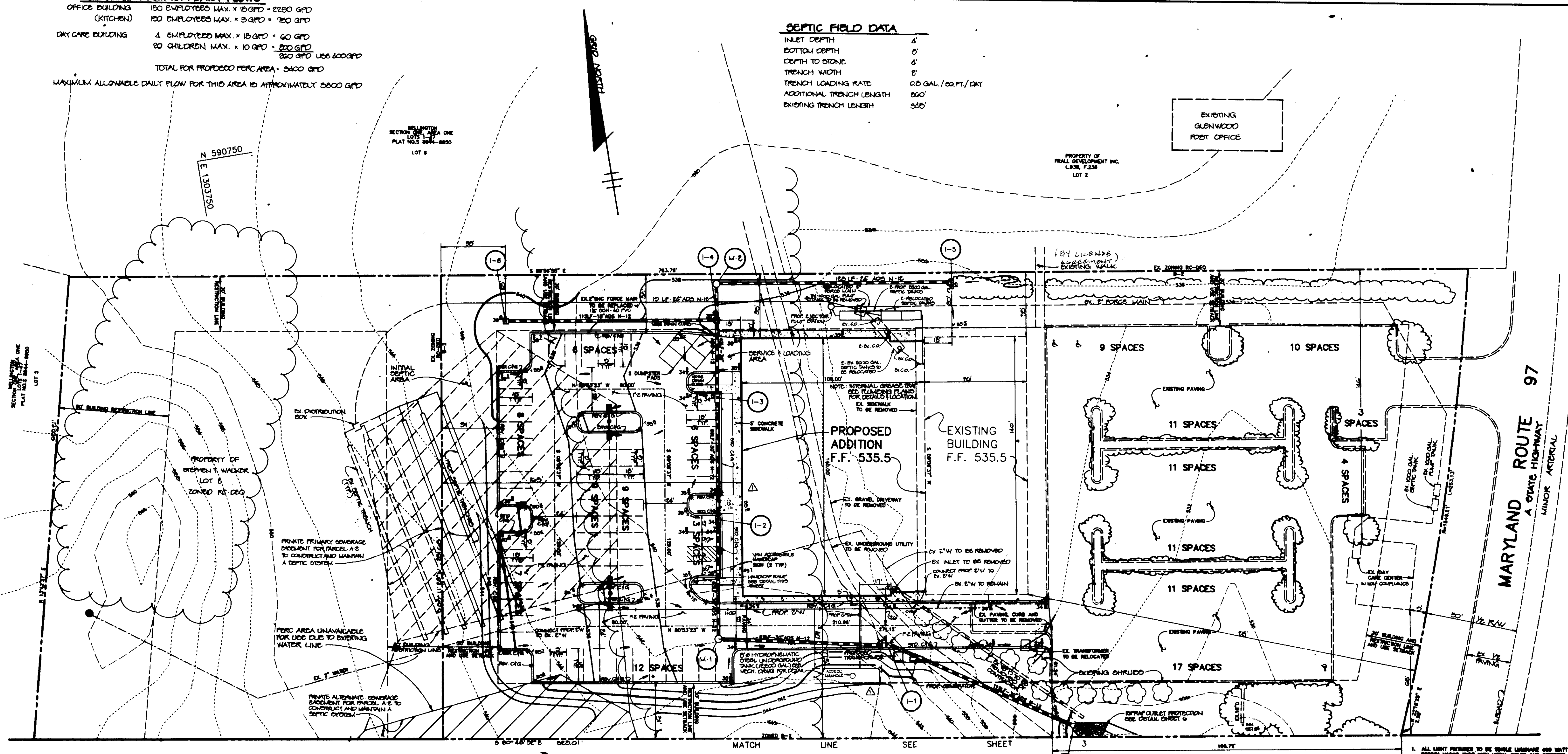
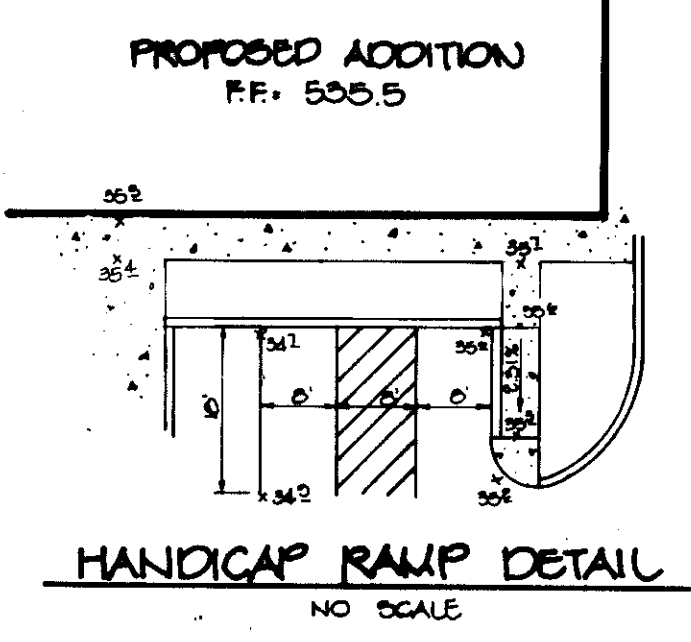
MAXIMUM ALLOWABLE DAILY FLOW FOR THIS AREA IS APPROXIMATELY 3600 GPD

SEPTIC FIELD DATA

INLET DEPTH 4'
 BOTTOM DEPTH 8'
 DEPTH TO STONE 4'
 TRENCH WIDTH 8"
 TRENCH LOADING RATE 0.0 GAL./SQ. FT./DAY
 ADDITIONAL TRENCH LENGTH 560'
 EXISTING TRENCH LENGTH 345'

LEGEND

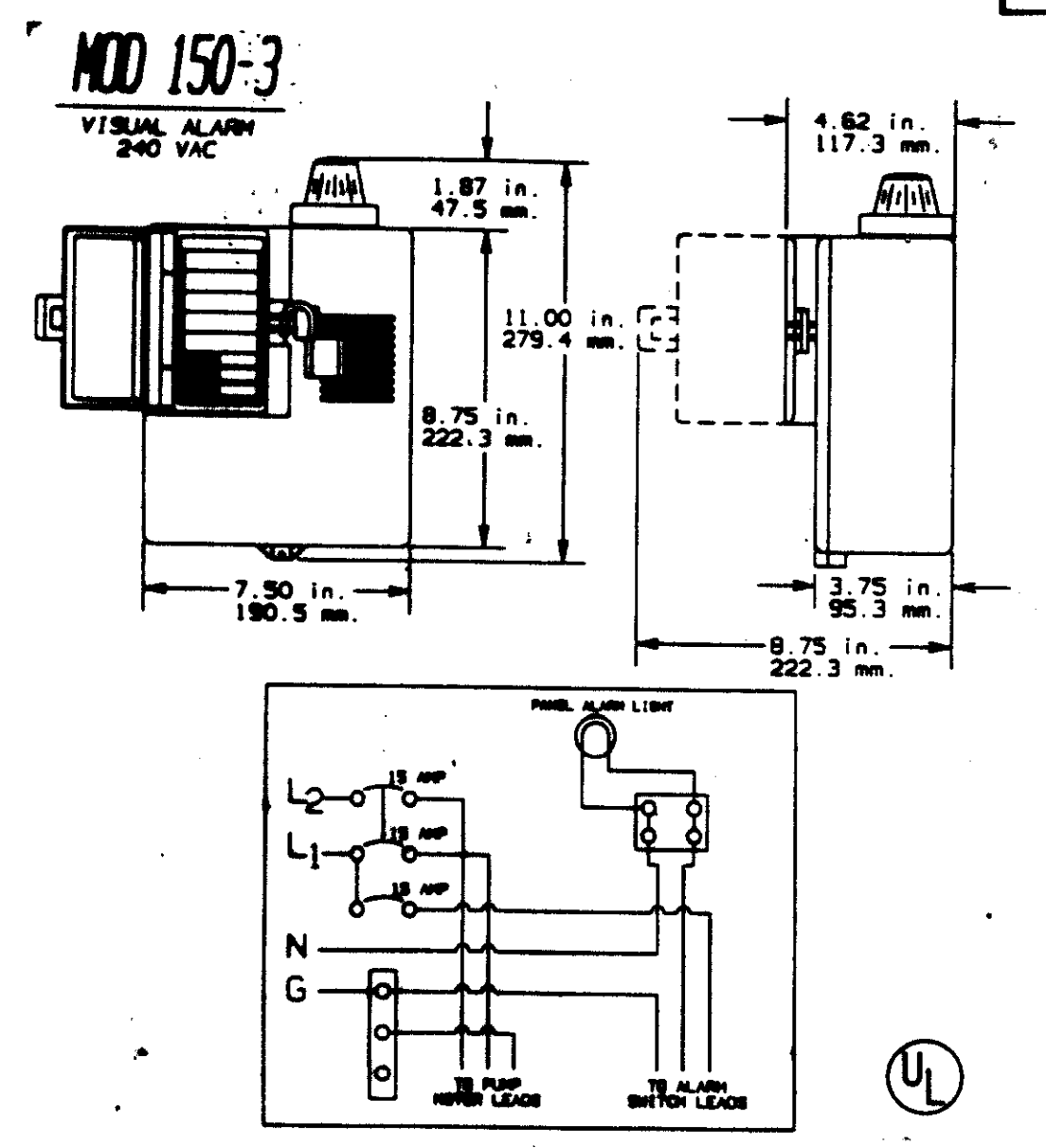
DELINEATED TRANSITION FROM STANDARD T-CURB GUTTER TO REVERSED T-CURB GUTTER



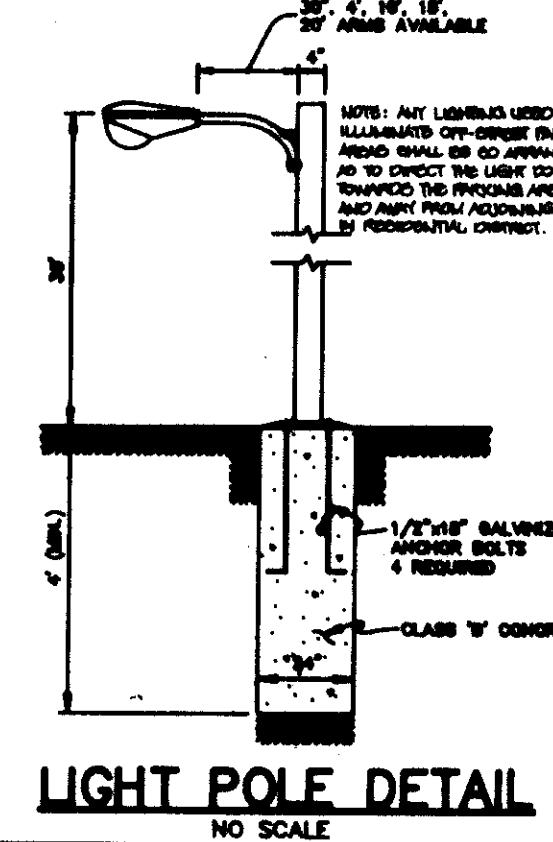
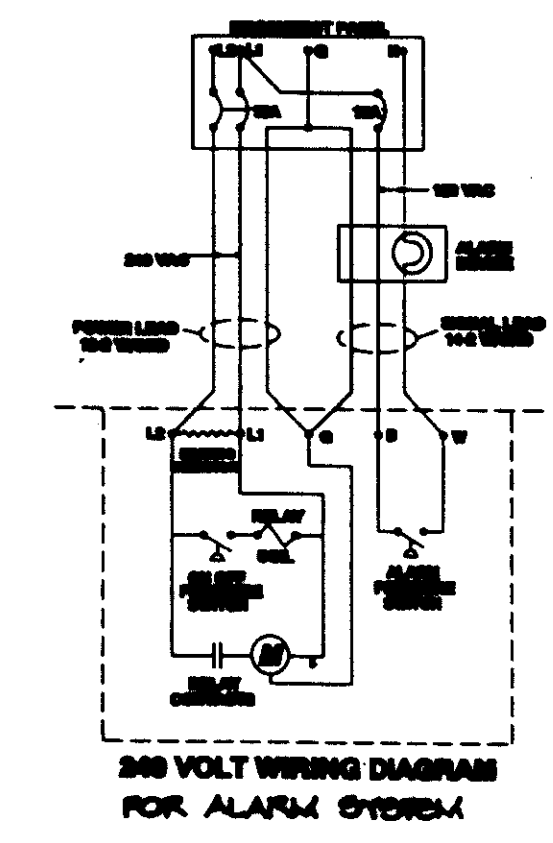
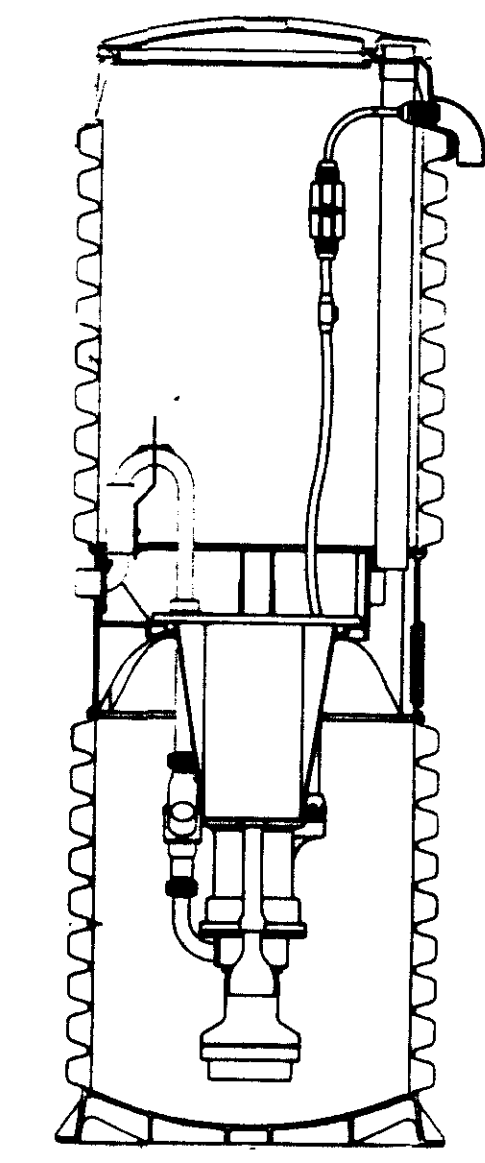
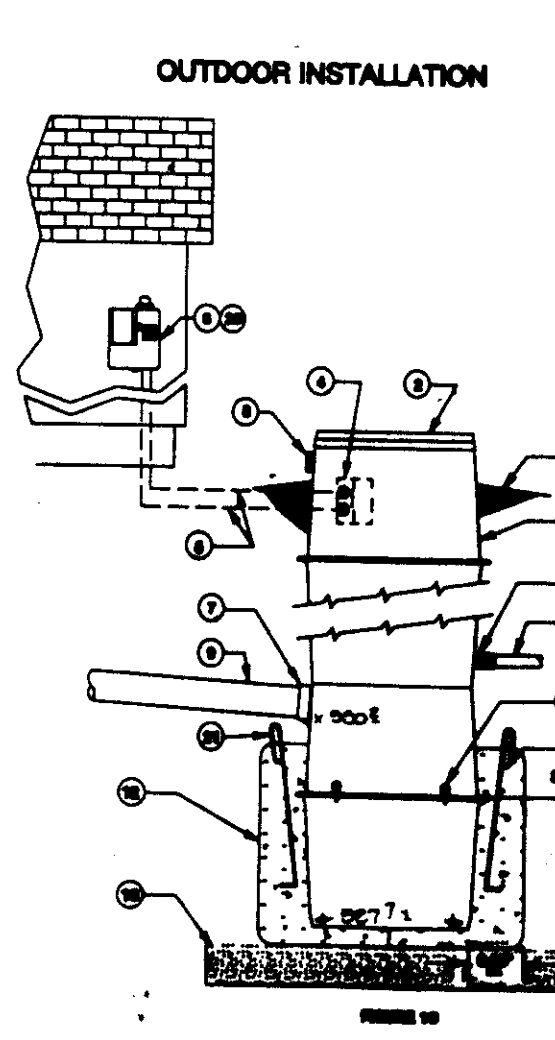
NOTE: LOT 8 IS SUBJECT TO A FLOOD HAZARD STUDY BY AN ENGINEER. THE STUDY WILL DETERMINE IF LOT 8 IS IN A FLOOD HAZARD AREA. IF IT IS, THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A FLOOD HAZARD STUDY AND A FLOOD HAZARD CERTIFICATE FROM THE MARYLAND DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES. THE FLOOD HAZARD CERTIFICATE SHALL BE SUBMITTED TO THE HEALTH DEPARTMENT FOR REVIEW AND APPROVAL. THE FLOOD HAZARD CERTIFICATE SHALL BE SUBMITTED TO THE HEALTH DEPARTMENT FOR REVIEW AND APPROVAL. THE FLOOD HAZARD CERTIFICATE SHALL BE SUBMITTED TO THE HEALTH DEPARTMENT FOR REVIEW AND APPROVAL.

PLAN
 SCALE: 1" = 30'

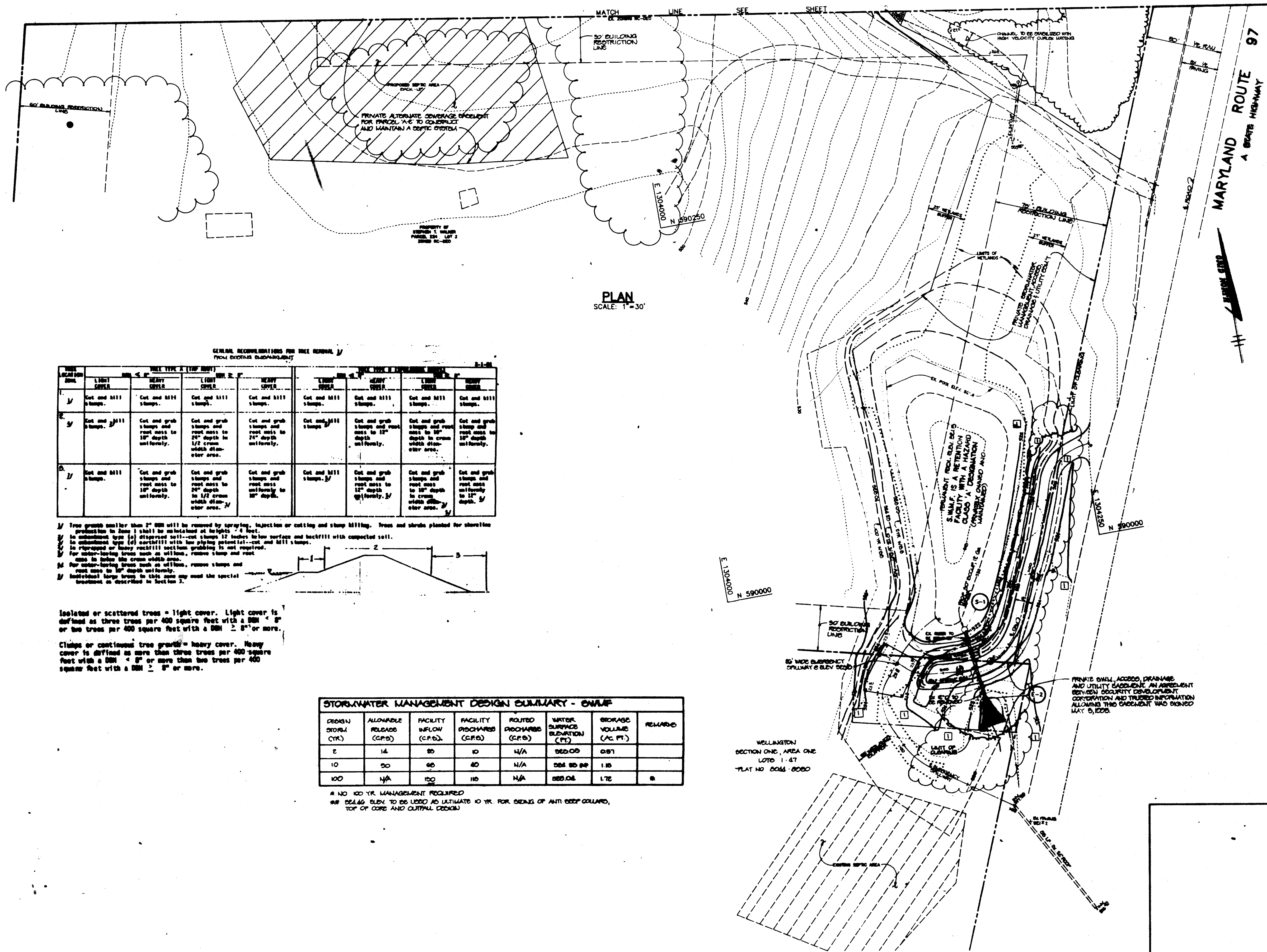
- ALL LIGHT FIXTURES TO BE 8000 LUMENS AND 100 WATT. ALL LIGHT FIXTURES TO BE 8000 LUMENS AND 100 WATT. ALL LIGHT FIXTURES TO BE 8000 LUMENS AND 100 WATT.
- LOCATIONS OF LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN WITH WIRE.
- LIGHTS TO BE MIDDLE E TYPE, AS MANUFACTURED BY HILTI OR APPROVED EQUAL.
- POLE AND PICTURE TO BE PROVIDED BY OWNER.
- POLE TO BE LOCATED 7' BACK FROM BACK OF CURB.



- ENVIRONMENT ONE EJECTOR PUMP BASIN - High density polyethylene (HDPE).
- ACCESSWAY COVER - FRP (reinforced with padlock).
- LIFTING EYES - For lifting complete grinder pump. Do not use if ballast is attached.
- ELECTRICAL JUNCTION BOX - Leads from pump come terminate here. Wiring from junction box to disconnect panel by others (team 80).
- POWER AND ALARM LEADS - Cables to be installed in accordance with local codes.
- DISCONNECT PANEL - Rainproof (Name 38) enclosure. Equipped with circuit breakers or disconnect switch. Locate according to local codes.
- INLET - 4" PVC Suction (4.5" ID). For solvent containing DWP pipe.
- WET WELL VENT - 2.0" vent pipe, supplied by factory in suite with accessories.
- GRAVITY SERVICE LINE - 4" DWPV, (4.5" OD). Supplied by others.
- DISCHARGE OUTLET - 1 1/4" female pipe thread.
- DISCHARGE LINE - 1 1/4" acetal pipe size. Supplied by others.
- CONCRETE ANCHOR - Reference "CHART A" for correct ballast weight. Supplied by others.
- REINFORCING MATERIAL - 6" minimum deep, rounded aggregate (see gravel). Supplied by others.
- FINISHED GRADE - Grade line to be 6" below the top, and slope away from basin.
- VENT - Indoor installation, see requirements in this manual.
- VALVE - Full-ported ball valve. Recommended option, for use during service operations. Supplied by others.
- BREATHER ASSEMBLY
- UNION - 1 1/4" or compression type coupling. Supplied by others.
- VALVE - Ball or gate valve, must provide a full-ported 1-1/4" round passage when open. By others.
- ALARM DEVICE - Every installation is to have an alarm device to alert the homeowner of a potential malfunction. Visual devices should be placed in very conspicuous locations.
- REBAR - Required to lift tank after ballast has been attached (4 places, evenly spaced around tank).



AS BUILT CERTIFICATE	
DATE	
APPROVED : FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd, M.D., F.S.</i> COUNTY HEALTH OFFICER	6-12-95 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James S. Smith</i> DIRECTOR	7/3/95 DATE
APPROVED : FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>John P. Smith</i> DIRECTOR	6/16/95 DATE
CHIEF, BUREAU OF ENGINEERING	
DATE	REVISION
OWNER / DEVELOPER	
STEPHEN T. WALKER c/o TRUSTED INFORMATION SYSTEMS 3060 WASHINGTON ROAD, ROUTE 97 GLENWOOD, MARYLAND 21738	
PROJECT TRUSTED INFORMATION SYSTEMS AN OFFICE BUILDING ADDITION	
AREA	TAX MAP 14 ZONED B-2 PARCEL A-2 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. Planners Engineers Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX : 410-997-9282	
DATE 5.30.95	DESIGNED BY : C.J.R.
	DRAWN BY : DAM
	PROJECT NO : 92209
	DATE : MAY 30, 1995
SCALE : AS SHOWN	DRAWING NO. 2 OF 11



GENERAL RECOMMENDATIONS FOR TREE REMOVAL
FROM EXISTING LANDSCAPE

REMOVAL	TREE TYPE 1 (1/2" DBH)				TREE TYPE 2 (1/2" DBH)			
	LIGHT COVER	HEAVY COVER	LIGHT COVER	HEAVY COVER	LIGHT COVER	HEAVY COVER	LIGHT COVER	HEAVY COVER
1	Cut and mill stump.	Cut and mill stump.	Cut and mill stump.	Cut and mill stump.	Cut and mill stump.	Cut and mill stump.	Cut and mill stump.	Cut and mill stump.
2	Cut and mill stump.	Cut and grub stump and root mass to 18" depth uniformly.	Cut and grub stump and root mass to 24" depth in 1/2 cross width diameter area.	Cut and grub stump and root mass to 24" depth uniformly.	Cut and mill stump.	Cut and grub stump and root mass to 12" depth uniformly.	Cut and grub stump and root mass to 18" depth in cross width diameter area.	Cut and grub stump and root mass to 18" depth uniformly.
3	Cut and mill stump.	Cut and grub stump and root mass to 18" depth uniformly.	Cut and grub stump and root mass to 24" depth in 1/2 cross width diameter area.	Cut and grub stump and root mass to 24" depth uniformly.	Cut and mill stump.	Cut and grub stump and root mass to 12" depth uniformly.	Cut and grub stump and root mass to 18" depth in cross width diameter area.	Cut and grub stump and root mass to 18" depth uniformly.

1. Free growth smaller than 2" DBH will be removed by spraying, injection or cutting and stump milling. Trees and shrubs planted for shoreline protection in Zone 1 shall be maintained at heights ~ 4 feet.
2. In substandard type (a) dispersed soil-cut stumps 12 inches below surface and backfill with compacted soil.
3. In substandard type (b) backfill with low playing material-cut and mill stumps.
4. In improved or heavy rockfill section grubbing is not required.
5. For water-bearing trees such as willows, remove stump and root mass to below the cross width area.
6. For water-bearing trees such as willows, remove stump and root mass to 18" depth uniformly.
7. Individual large trees in this zone may need the special treatment as described in Section 3.

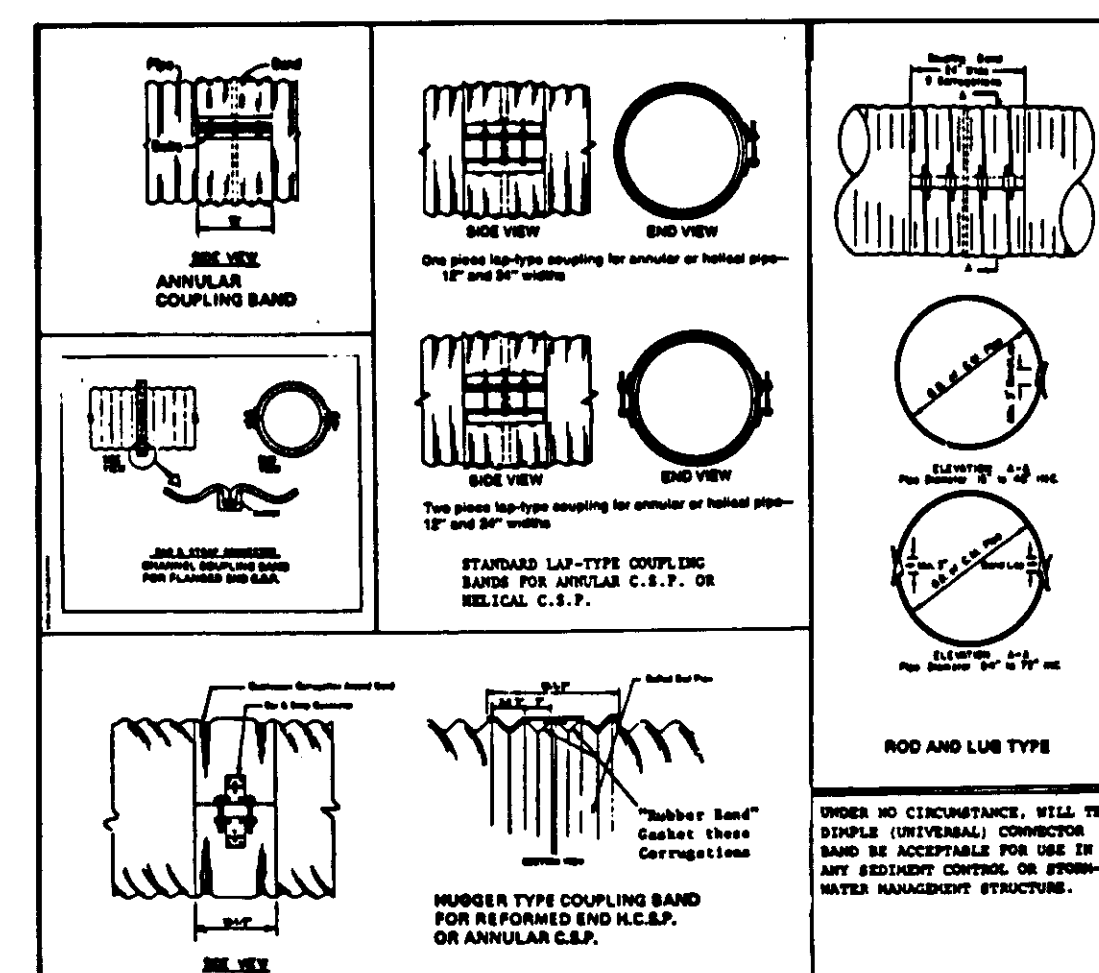
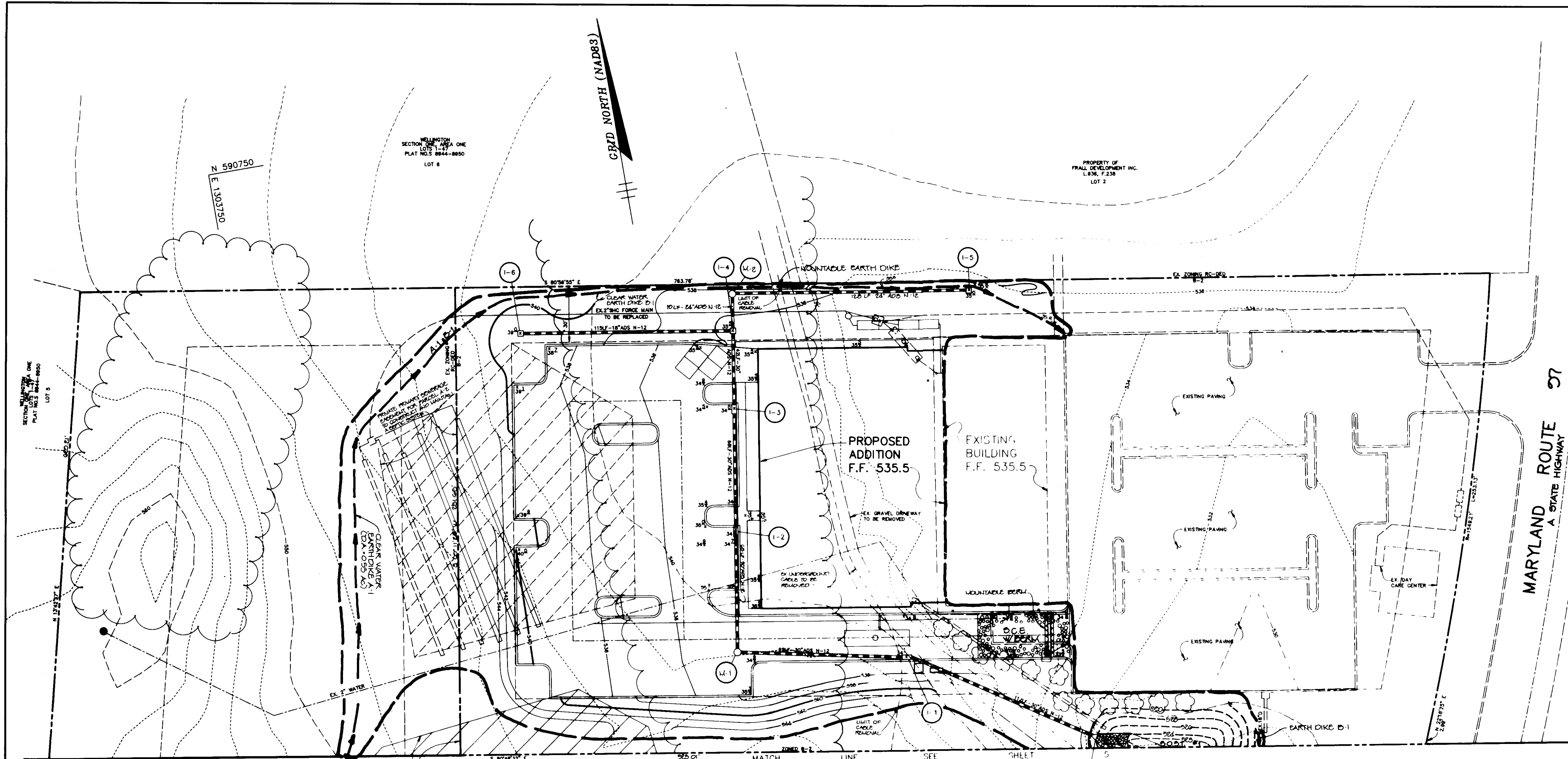
Isolated or scattered trees = light cover. Light cover is defined as three trees per 400 square feet with a DBH < 8" or two trees per 400 square feet with a DBH ≥ 8" or more.

Clumps or continuous tree growth = heavy cover. Heavy cover is defined as more than three trees per 400 square feet with a DBH < 8" or more than two trees per 400 square feet with a DBH ≥ 8" or more.

STORMWATER MANAGEMENT DESIGN SUMMARY - SWMF						
DESIGN STORM (IN)	ALLOWABLE RELEASE (GPD)	FACILITY INFLOW (GPD)	FACILITY DISCHARGE (GPD)	ROUTED DISCHARGE (GPD)	WATER SURFACE ELEVATION (FT)	STORAGE VOLUME (AC FT)
2	14	80	10	N/A	225.00	0.51
10	50	60	40	N/A	226.80	1.10
100	N/A	100	110	N/A	228.04	1.72

NO 100 YR MANAGEMENT REQUIRED
BEARING USED TO BE USED AS ULTIMATE 10 YR FOR SIZING OF ANTI DEEP COLLAPSE, TOP OF CORE AND OUTLET DESIGN

AS BUILT CERTIFICATE	
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. Christopher J. Reid CHRISTOPHER J. REID * 19949	10-28-96 DATE
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. James M. Boyd, Jr. COUNTY HEALTH OFFICER	6-12-95 DATE
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. James M. Boyd, Jr. DIRECTOR	7/3/95 DATE
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. Chris Shumway CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	7/3/95 DATE
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. James M. Boyd, Jr. DIRECTOR	6/18/95 DATE
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. Robert J. Sponner CHIEF, BUREAU OF ENGINEERING	6/16/95 DATE
10-25-96 DATE REVISION OWNER / DEVELOPER STEPHEN T. WALKER C/O TRUSTED INFORMATION SYSTEMS 3060 WASHINGTON ROAD, ROUTE 97 GLENWOOD, MARYLAND 21738	
PROJECT TRUSTED INFORMATION SYSTEMS AN OFFICE BUILDING ADDITION	
AREA TAX MAP 14 ZONED B-2 PARCEL A-2 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 2225 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-397-0200 FAX: 410-397-9282	
5-30-96 DATE 	DESIGNED BY: C.J.R. DRAWN BY: DAM PROJECT NO: 92209 DATE: MAY 20, 1995 SCALE: AS SHOWN DRAWING NO. 0 OF 11



- SEQUENCE OF CONSTRUCTION
- OBTAIN A GRADING PERMIT.
 - INSTALL SCE, STONE OUTLET TRAP #1, CLEAR WATER EARTH DIKE AND SILT FENCE. (3 DAYS).
 - RELOCATE AND INSTALL SEPTIC SYSTEM TO ENSURE CONTINUOUS SERVICE FOR EXISTING BUILDING. EXISTING UNDERGROUND CABLE AND TRANSFORMER BY COORDINATING WITH BGE. (5 DAYS).
 - BEGIN ROUGH GRADING AND BUILDING CONSTRUCTION.
 - AS SUBGRADE ELEVATIONS ARE REACHED INSTALL UTILITIES INCLUDING WATER MAIN AND STORM DRAIN. (5 DAYS).
 - INSTALL CURB AND GUTTER AND PAVE. (2 WEEKS)
 - REMOVE EXISTING RISER/BARREL STRUCTURE. INSTALL CORE TRENCH, NEW BARREL/RISER STRUCTURE WITH ANTI-SLEEP COLLAR AND ANTI-FLOATATION BASE. GRADE FOR EMBANKMENT AND EMERGENCY SPILLWAY. (6 DAYS)
 - UPON APPROVAL OF HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROLS AND STABILIZE DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.
- * CAN BE PERFORMED ANY TIME AFTER STEP 2

NOTE: WHILE DOWATERING, CONTRACTOR SHALL TAKE CARE TO ENSURE THAT DISCHARGE OF OVERWATER LAGOON WATER INTO THE RECEIVING WATERWAY ARE AVOIDED

BY THE DEVELOPER :
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER
PRINT NAME BELOW SIGNATURE
DATE

BY THE ENGINEER :
I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

ENGINEER
PRINT NAME BELOW SIGNATURE
DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL, MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

AS BUILT CERTIFICATE

DATE

APPROVED : FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER
DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR
DATE

CHIEF, DIVISION OF LAND DEVELOPMENT
AND RESEARCH
DATE

APPROVED : FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

DIRECTOR
DATE

CHIEF, BUREAU OF ENGINEERING
DATE

DATE NO. REVISION

OWNER / DEVELOPER
STEPHEN T. WALKER
c/o TRUSTED INFORMATION SYSTEMS
3060 WASHINGTON ROAD, ROUTE 97
GLENWOOD, MARYLAND 21738

PROJECT
TRUSTED INFORMATION SYSTEMS
AN OFFICE BUILDING ADDITION

AREA
TAX MAP 14 ZONED B-2 PARCEL A-2
4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
GRADING AND
SEDIMENT CONTROL PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
Planners Engineers Surveyors
5818 Centre Park Drive Suite 200 Columbia, MD 21045
410-997-8900 FAX: 410-997-9282

DATE

DESIGNED BY : C.J.R.

DRAWN BY : DAM

PROJECT NO : 92209

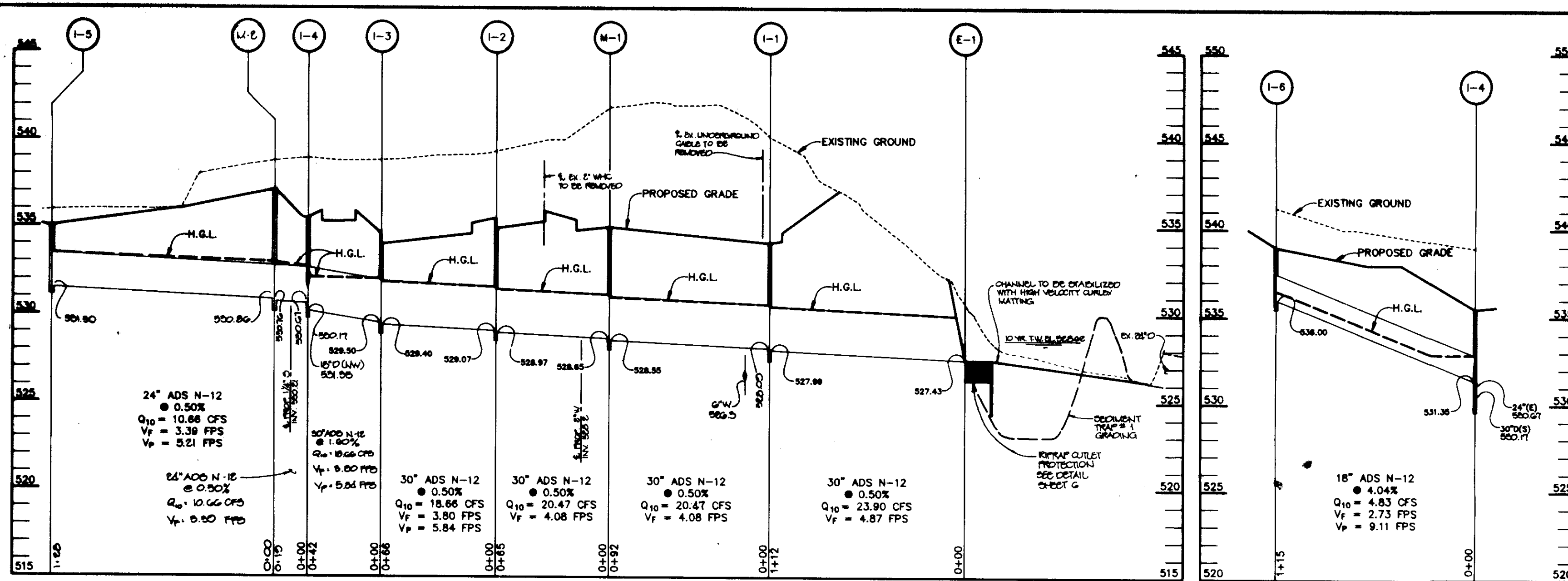
DATE : MAY 30, 1995

SCALE : AS SHOWN

DRAWING NO. 4 OF 11

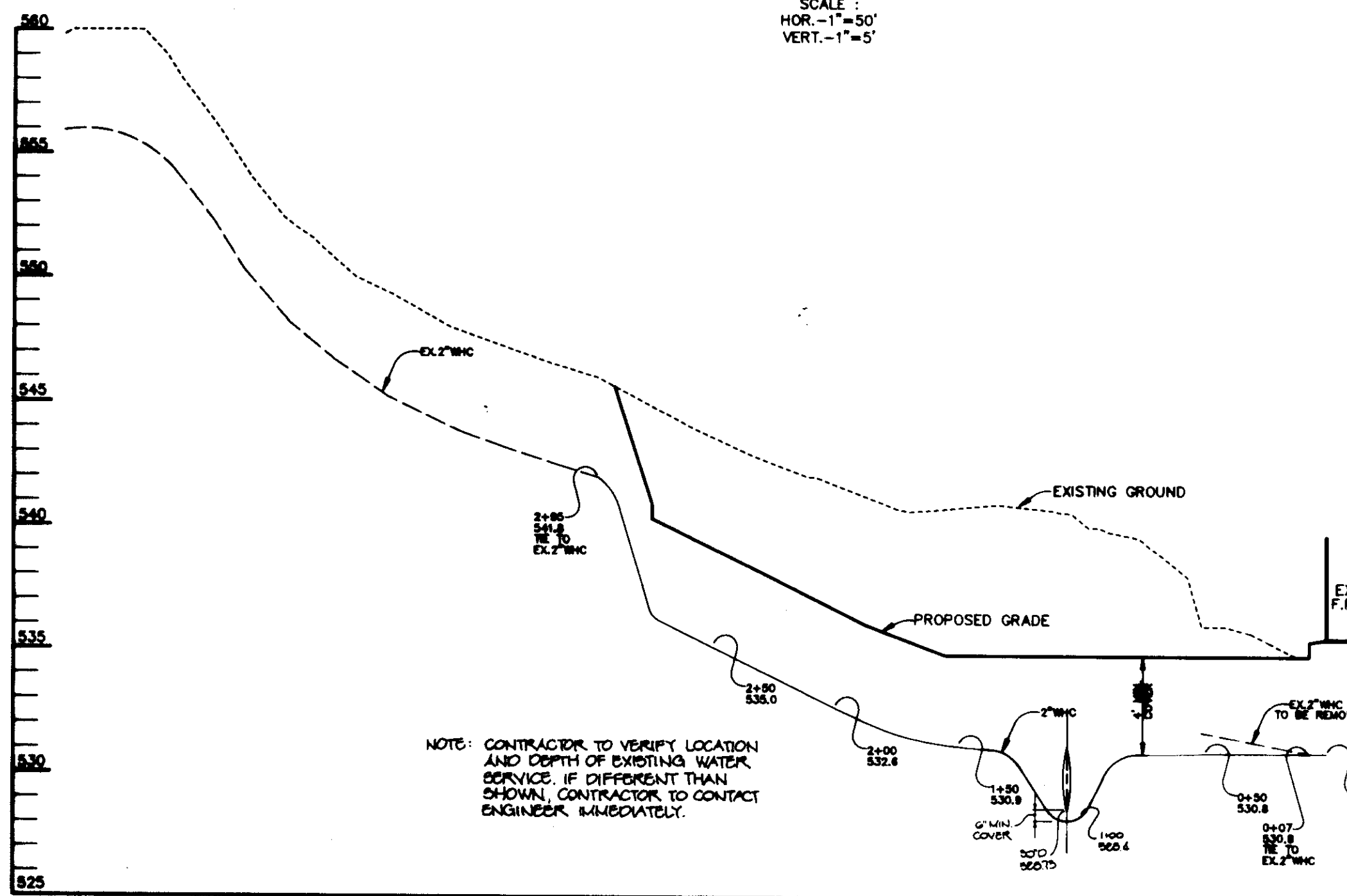
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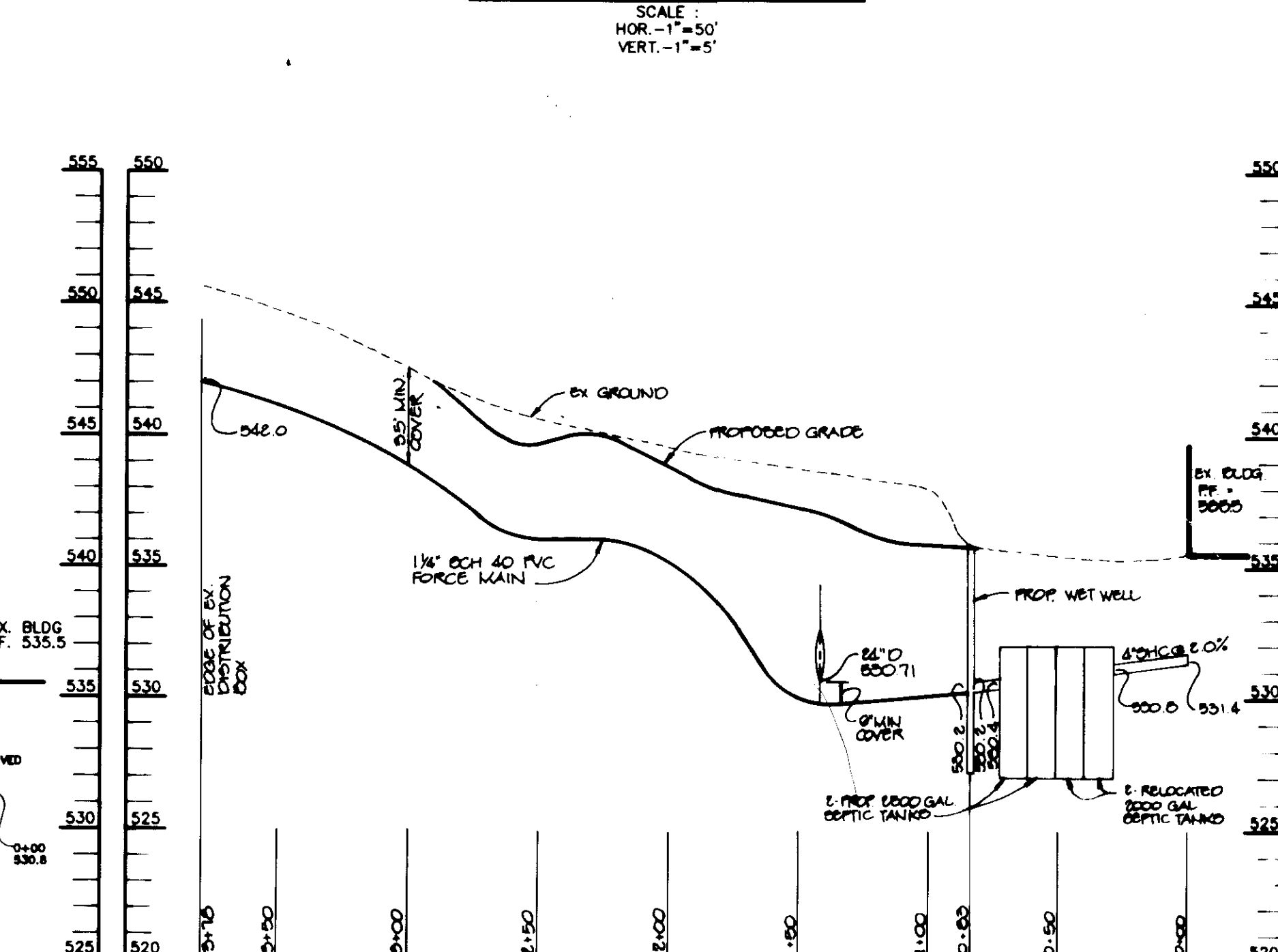


STORM DRAIN PROFILE

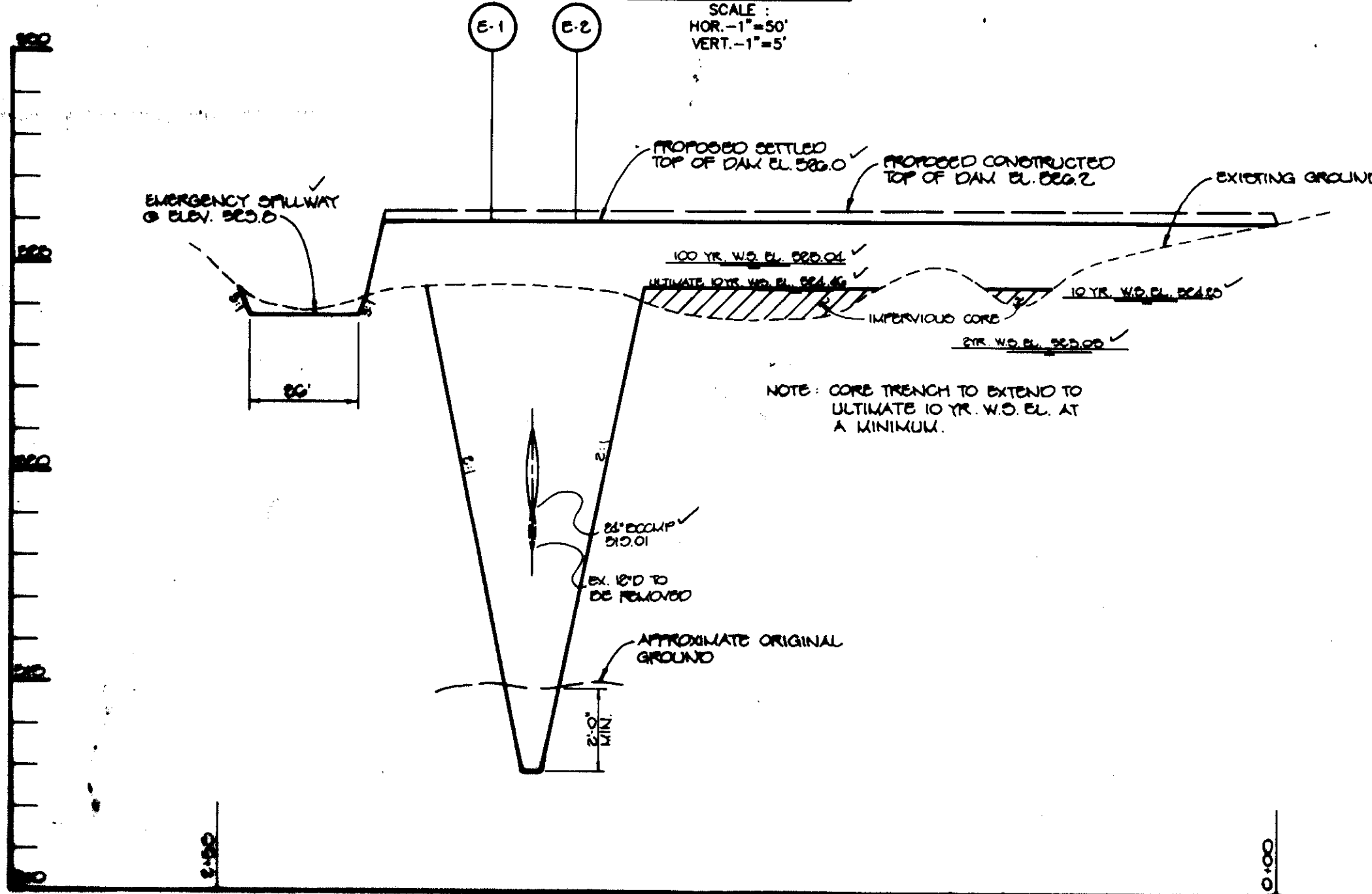
STORM DRAIN PROFILE



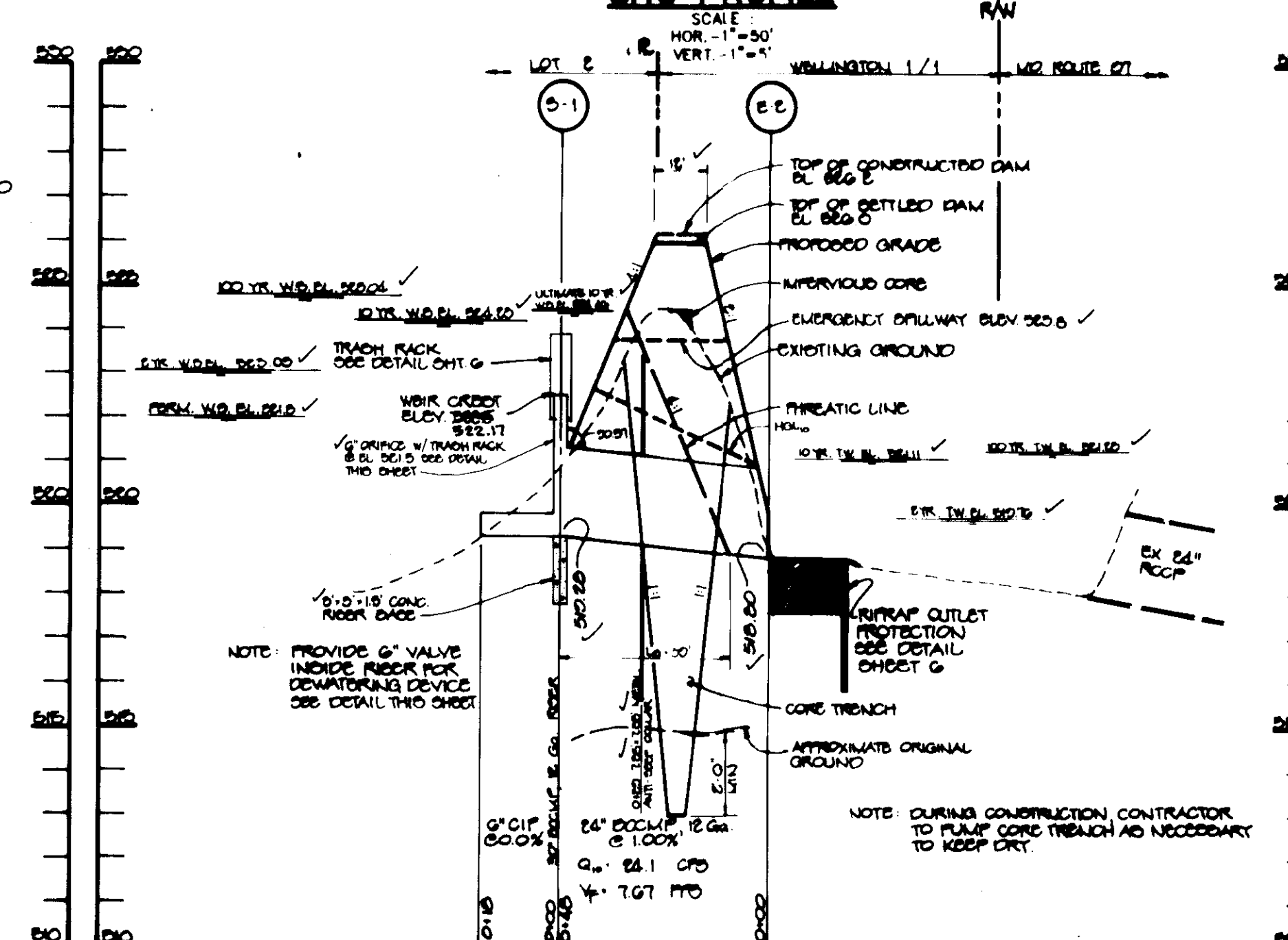
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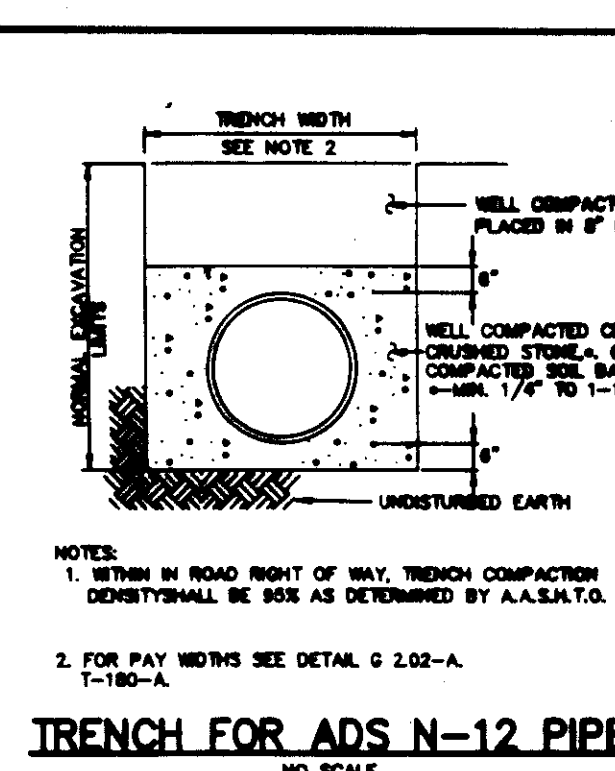
SHC PROFILE



PROFILE ALONG E. OF EMBANKMENT



PRINCIPAL SPILLWAY PROFILE



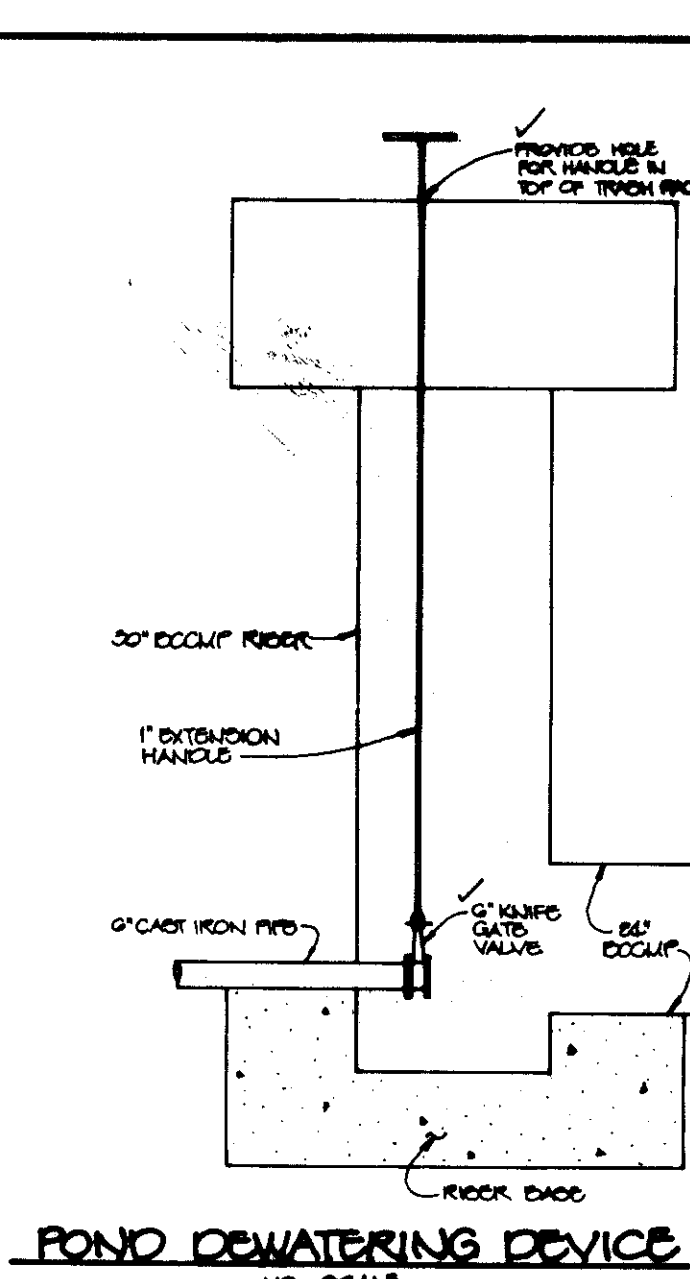
TRENCH FOR ADS N-12 PIPE

ADS N-12 PIPE
Applicable Specifications and Installation Guidelines

1. ASTM F 481, Standard Specification for Corrugated Polyethylene Pipe and Fittings.
2. ASTM F 487, Standard Specification for Large Diameter Corrugated Polyethylene Pipe and Fittings.
3. AASHTO M 253, Standard Specification for Polyethylene Corrugated Drainage Pipe.
4. AASHTO M 254, Standard Specification for Polyethylene Corrugated Drainage Pipe.
5. ADS Installation Guidelines for Culvert and Other Heavy Duty Drainage Applications.

Installation Recommendations

1. Crushed stone, gravel or compacted soil backfill material should be used as the bedding and envelope material.
2. The corrugated pipe should be laid on grade, on a layer of bedding material. If native soil is used as the bedding and backfill material, it should be well compacted in six inch layers under the handbars, around the sides and above the pipe to the recommended minimum height of cover.
3. Either flexible (asphalt) or rigid (concrete) pavements may be laid as part of the minimum cover requirements.
4. Site conditions and availability of bedding materials often dictate the type of installation method used.
5. The load bearing capability of flexible materials is dependent on the type of backfill material used and the degree of compaction achieved. Crushed stone and gravel backfill materials typically reach a compaction level of 90-95% AASHTO standard compaction. When native soils are used as backfill material, a compaction level of 85% is required. There is the same minimum compaction that is recommended by all drainage pipe manufacturers and can be achieved by either hand or mechanical tamping.
6. Two types of installations are recommended for 14-20 live loads - the heaviest legal highway loads. These are the trench and open ditch installation. The minimum height of cover recommendations are the same for both conditions.



POND DEWATERING DEVICE

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONSTRUCTION OF SEDIMENT AND EROSION CONTROL MEASURES. I/WE SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Stephen T. Walker*
DATE: *6/16/95*

DEVELOPER: *Stephen T. Walker*

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

Signature: *J. Parikh*
DATE: *6/16/95*

ENGINEER: *J. Parikh*

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *Patricia Engle*
DATE: *6/16/95*

NATURAL RESOURCES DEPARTMENT

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL, MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Patricia Engle*
DATE: *6/16/95*

HOWARD SOIL CONSERVATION DISTRICT

AS BUILT CERTIFICATE

Signature: *Patricia Engle*
DATE: *10-25-95*

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Signature: *James M. Engle*
DATE: *6-12-95*

COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Signature: *James M. Engle*
DATE: *7/3/95*

DIRECTOR

Signature: *Chris Johnson*
DATE: *7/3/95*

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

Signature: *James M. Engle*
DATE: *6/16/95*

DIRECTOR

Signature: *Patricia Engle*
DATE: *6/16/95*

CHIEF, BUREAU OF ENGINEERING

NO. 13-96

DATE NO. REVISION

OWNER / DEVELOPER

STEPHEN T. WALKER
c/o TRUSTED INFORMATION SYSTEMS
3060 WASHINGTON ROAD, ROUTE 97
GLENWOOD, MARYLAND 21738

PROJECT

TRUSTED INFORMATION SYSTEMS
AN OFFICE BUILDING ADDITION

AREA TAX MAP 14 ZONED B-2 PARCEL A-2

4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

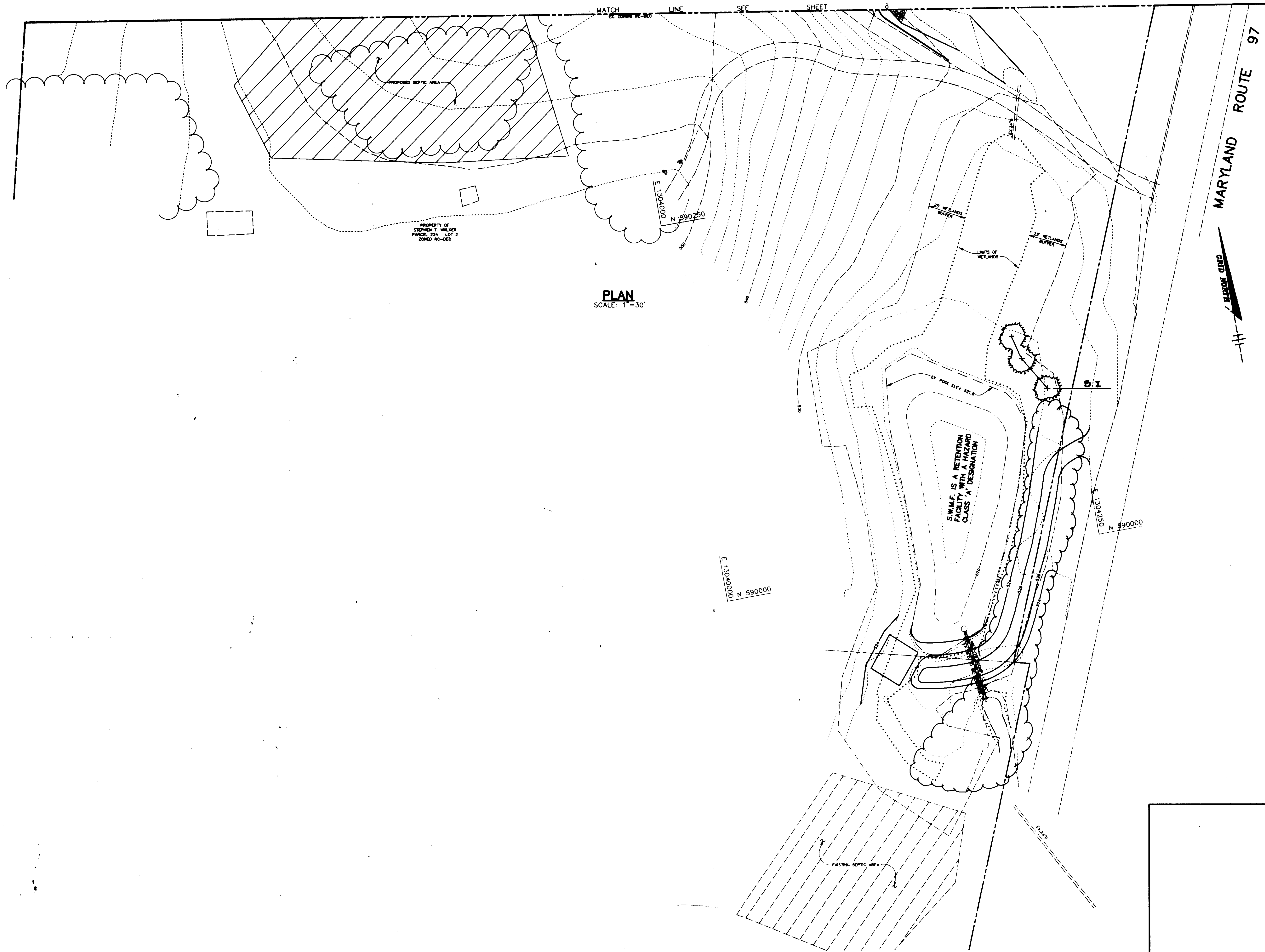
TITLE

PROFILES AND DETAIL SHEET

RIEMER MUEGGE & ASSOCIATES, INC.
Planners • Engineers • Surveyors
8818 Park Drive • Suite 200 • Columbia, MD 21046
410-997-9900 FAX: 410-997-9982

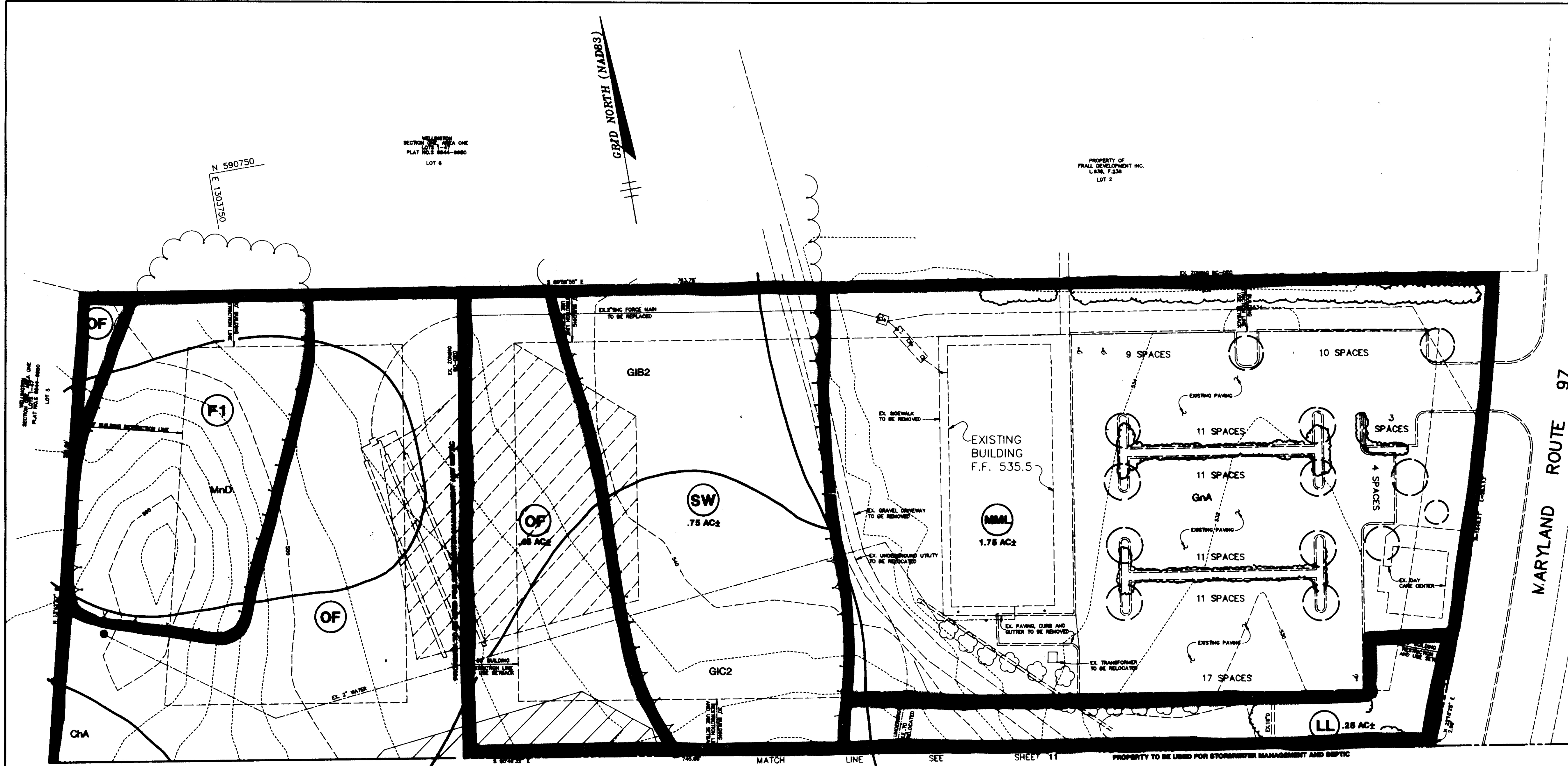
DATE

DESIGNED BY: C.J.R.
DRAWN BY: DAM
PROJECT NO: 82209
DATE: MAY 30, 1995
SCALE: AS SHOWN
DRAWING NO. 7 OF 11



PLAN
SCALE: 1"=30'

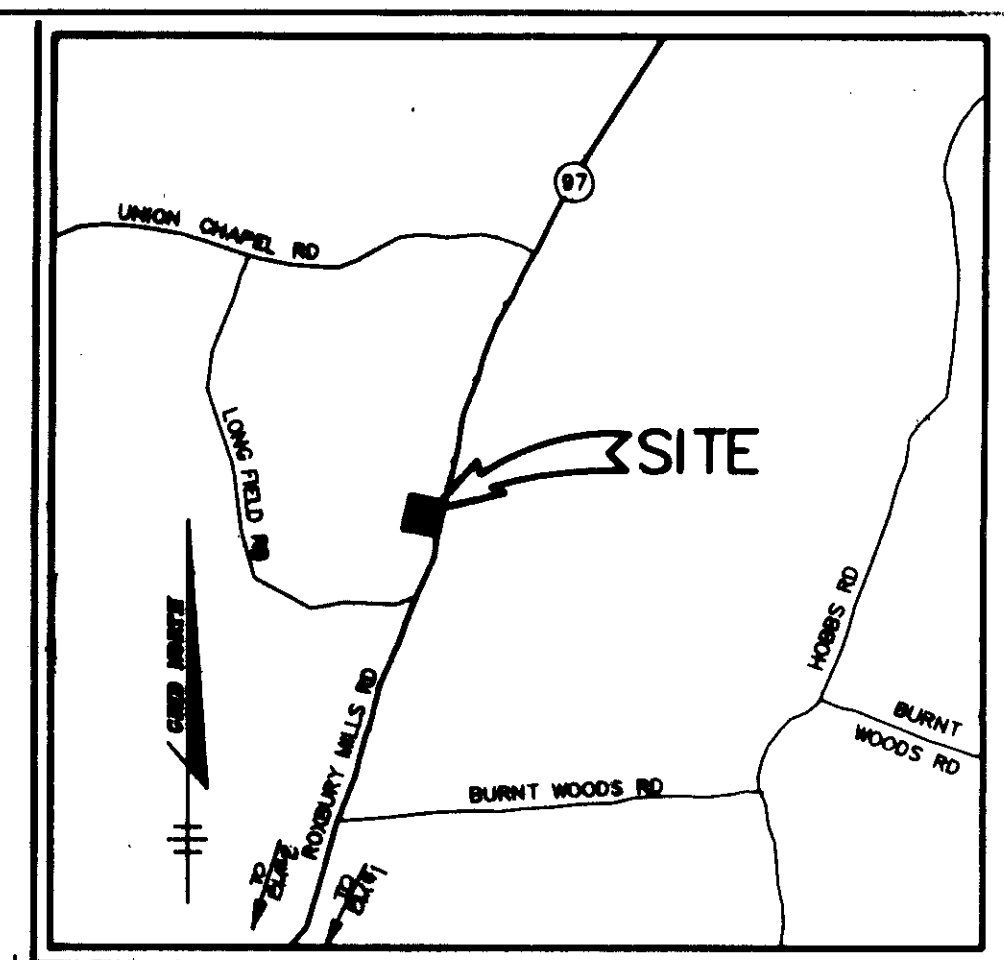
AS BUILT CERTIFICATE	
DATE	
APPROVED : FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joseph M. Boyd</i> COUNTY HEALTH OFFICER	6-13-95 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James J. Smith</i> DIRECTOR	7/18/95 DATE
<i>Chris J. Johnson</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	7/18/95 DATE
APPROVED : FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James J. Smith</i> DIRECTOR	6/18/95 DATE
<i>Robert J. Smith</i> CHIEF, BUREAU OF ENGINEERING	6/16/95 DATE
DATE	NO.
OWNER / DEVELOPER	
STEPHEN T. WALKER c/o TRUSTED INFORMATION SYSTEMS 3060 WASHINGTON ROAD, ROUTE 97 GLENWOOD, MARYLAND 21738	
PROJECT	
TRUSTED INFORMATION SYSTEMS AN OFFICE BUILDING ADDITION	
AREA	TAX MAP 14 ZONED B-2 PARCEL A-2 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	
LANDSCAPE PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX : 410-997-9282	
5-12-95 DATE	
DESIGNED BY : C.J.R.	
DRAWN BY :	
PROJECT NO : 92209	
DATE : MAY 30, 1995	
SCALE : AS SHOWN	
DRAWING NO. 9 OF 11	



PLAN
SCALE: 1" = 30'

LEGEND

- EXISTING WOODS
- WETLAND & 25' BUFFER
- SOILS DELINEATION
- FOREST STAND DELINEATION



VICINITY MAP
SCALE: 1" = 2000'

FOREST STAND TOTALS

STANDS WITHIN THE LIMIT OF SUBMISSION		STANDS LOCATED ON ADJACENT PROPERTY
SW	.75 AC±	F1
LL	.25 AC±	SW
OF	.45 AC±	W
MML	1.78 AC±	LL
TOTAL	3.20 AC±	OF

SUPPLEMENTAL INFORMATION

GROSS SITE AREA:	3.20 AC
100 YEAR FLOODPLAIN:	0.00 AC
NET TRACT AREA:	3.20 AC
ZONED:	B-2

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James Smith 7/8/95
DIRECTOR DATE
Jim Summerville 7/3/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE	NO.	REVISION
------	-----	----------

OWNER / DEVELOPER
STEPHEN T. WALKER
c/o TRUSTED INFORMATION SYSTEMS
3060 WASHINGTON ROAD, ROUTE 97
GLENWOOD, MARYLAND 21738

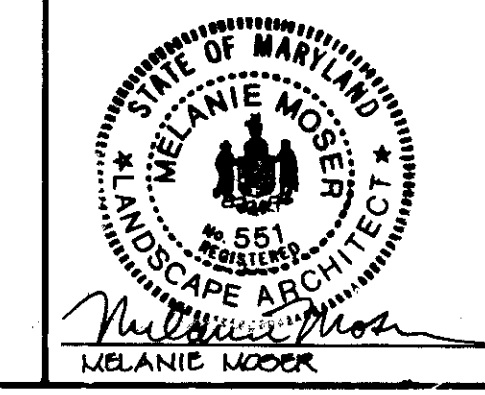
PROJECT
TRUSTED INFORMATION SYSTEMS
AN OFFICE BUILDING ADDITION

AREA TAX MAP 14 ZONED B-2 PARCEL A-2
4th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

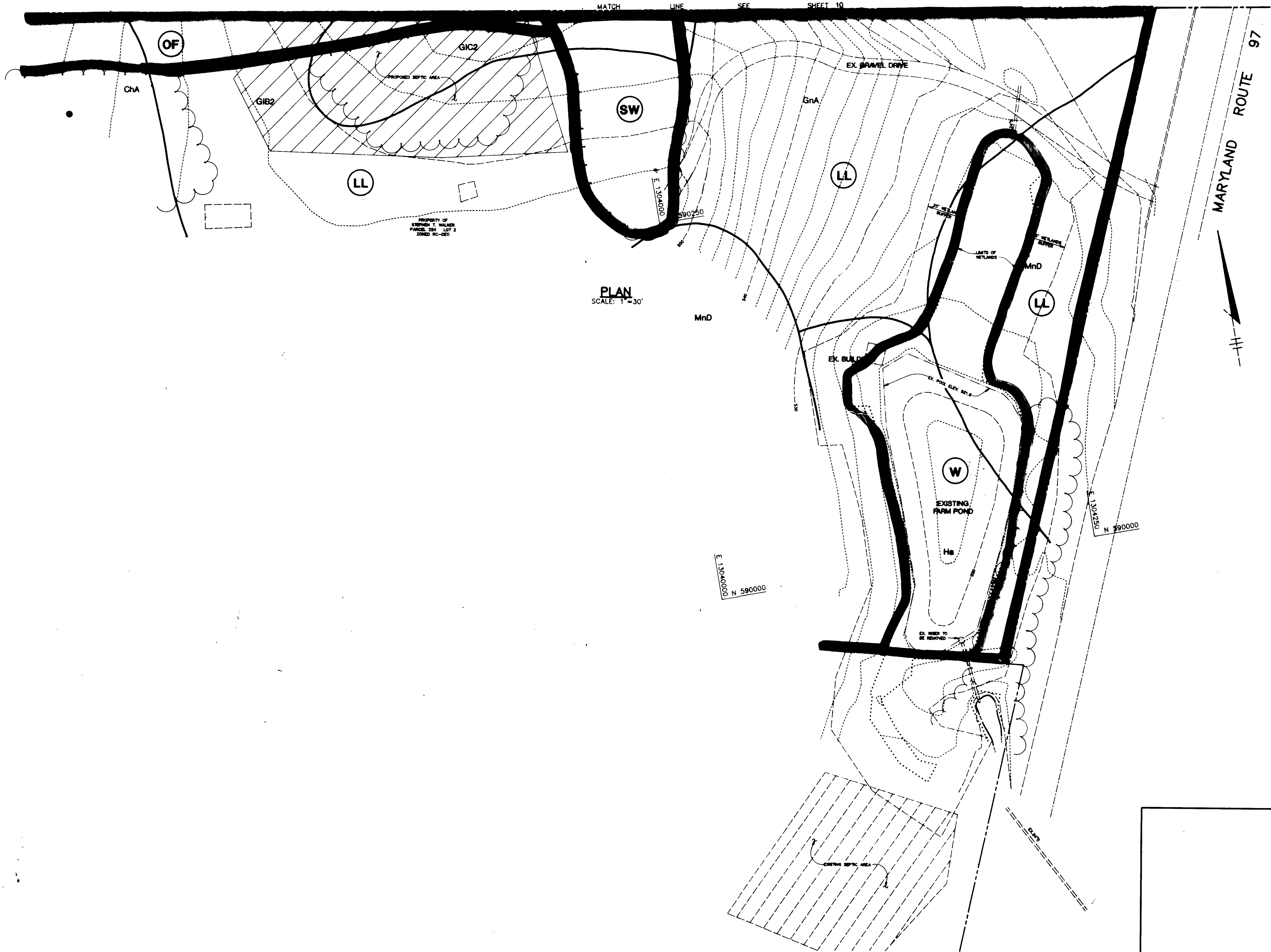
TITLE
VEGETATIVE ANALYSIS

RIEMER MUEGGE & ASSOCIATES, INC.
Planners • Engineers • Surveyors
8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
410-997-8900 FAX: 410-997-9282

5-12-95
DATE
DESIGNED BY: DK
DRAWN BY: RR
PROJECT NO: 92209
DATE: MAY 30, 1995
SCALE: AS SHOWN
DRAWING NO. 10 OF 11



MATCH LINE SEE SHEET 10



PLAN
SCALE: 1"=30'

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>[Signature]</i> DIRECTOR	7/3/95 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	7/3/95 DATE
DATE NO. REVISION	
OWNER / DEVELOPER STEPHEN T. WALKER c/o TRUSTED INFORMATION SYSTEMS 3060 WASHINGTON ROAD, ROUTE 97 GLENWOOD, MARYLAND 21738	
PROJECT TRUSTED INFORMATION SYSTEMS AN OFFICE BUILDING ADDITION	
AREA TAX MAP 14 ZONED B-2 PARCEL A-2 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE VEGATATIVE ANALYSIS	
RIEMER MUEGGE & ASSOCIATES, INC. Planners • Engineers • Surveyors 8818 Centre Park Drive • Suite 200 • Columbia, MD 21045 410-997-8900 FAX : 410-997-9282	
5-12-95 DATE	DESIGNED BY : DK
 <i>Melanie Moser</i> MELANIE MOSER	DRAWN BY : RR
	PROJECT NO : 92209
	DATE : MAY 00, 1995
	SCALE : AS SHOWN
DRAWING NO. 11 OF 11	